

t12_cgames_1
(TMNpZhVZi91Kaj4Y37GtdETGnjsRaUfPjvF)

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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $v2_cgames_1 : \iota \Rightarrow o$ be given. Let $k2_cgames_1 : \iota \Rightarrow \iota$ be given. Let $r1_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_cgames_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.(v3_ordinal1 X1) \Rightarrow ((r1_ordinal1 X0 X1) \Rightarrow (r1_tarski (k2_cgames_1 X0) (k2_cgames_1 X1)))) \quad (1)$$

Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.(v3_ordinal1 X1) \Rightarrow ((r1_ordinal1 X0 X1) \vee (X1 \in X0))) \quad (2)$$

Assume the following.

$$\forall X0.v3_ordinal1 (k9_cgames_1 X0) \quad (3)$$

Assume the following.

$$\forall X0.(v2_cgames_1 X0) \Rightarrow (\forall X1.(v3_ordinal1 X1) \Rightarrow ((X1 = k9_cgames_1 X0) \Leftrightarrow ((X0 \in k2_cgames_1 X1) \wedge (\forall X2.(v3_ordinal1 X2) \Rightarrow (\neg(X2 \in X1) \wedge (X0 \in k2_cgames_1 X2)))))) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (5)$$

Theorem 1

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.(v2_cgames_1 X1) \Rightarrow ((X1 \in k2_cgames_1 X0) \Leftrightarrow (r1_ordinal1 (k9_cgames_1 X1) X0)))$$